

Weekly Report for 2015/07/20-2015/07/26

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Progress

1. TCPTree Project

2. Revise vis 2015 submission

3. Large Graph Visualization

- 1) Read papers about community visualization and ego network visualization

I read the Vizster paper and download the software. This work is quite similar to our project because it both have visualization of graph and visualization of communities. The visualization of communities in Vizster is a simple boundary of a group of nodes. Therefore, the task in our project is more complicated than in Vizster. But the UI of Vizster is worth to borrow.

About ego network, 2000 nodes and 6 hops friends means there are about 4-5 nodes in every hops. I think put nodes of every hop on a circle is good layout choice. The only problem is the links between nodes. An optimization algorithm may be needed to re-layout the node.

- 2) Write the requirement document

I received the final version of the task document from Huawei. We discussed about the document and decided to finish the document task first. We divided the task into four parts roughly. I take the requirement document and the ego network visualization part. Lin tao takes the mining result visualization part. Zhu Biao takes the community visualization part. Ma Yuxin takes the architecture part.

Also I finished the requirement analysis document.

- 3) Test the front-end performance with Lintao

We tested the performance of two.js. The performance of drawing nodes are not as good as we expected. Generating circle objects spend too much time and the total time of drawing takes about 2s.

After talking with Prof. Chen, we decided to try generating empty objects before the system reading the data next week.

Plan

1. TCPTree Project

Finish variable tree.

Finish the control panel and other interactions.

2. Revise vis2015 submission

3. Large Graph

- 1) Read more papers related with this project.
- 2) Test the performance of generating objects initially.